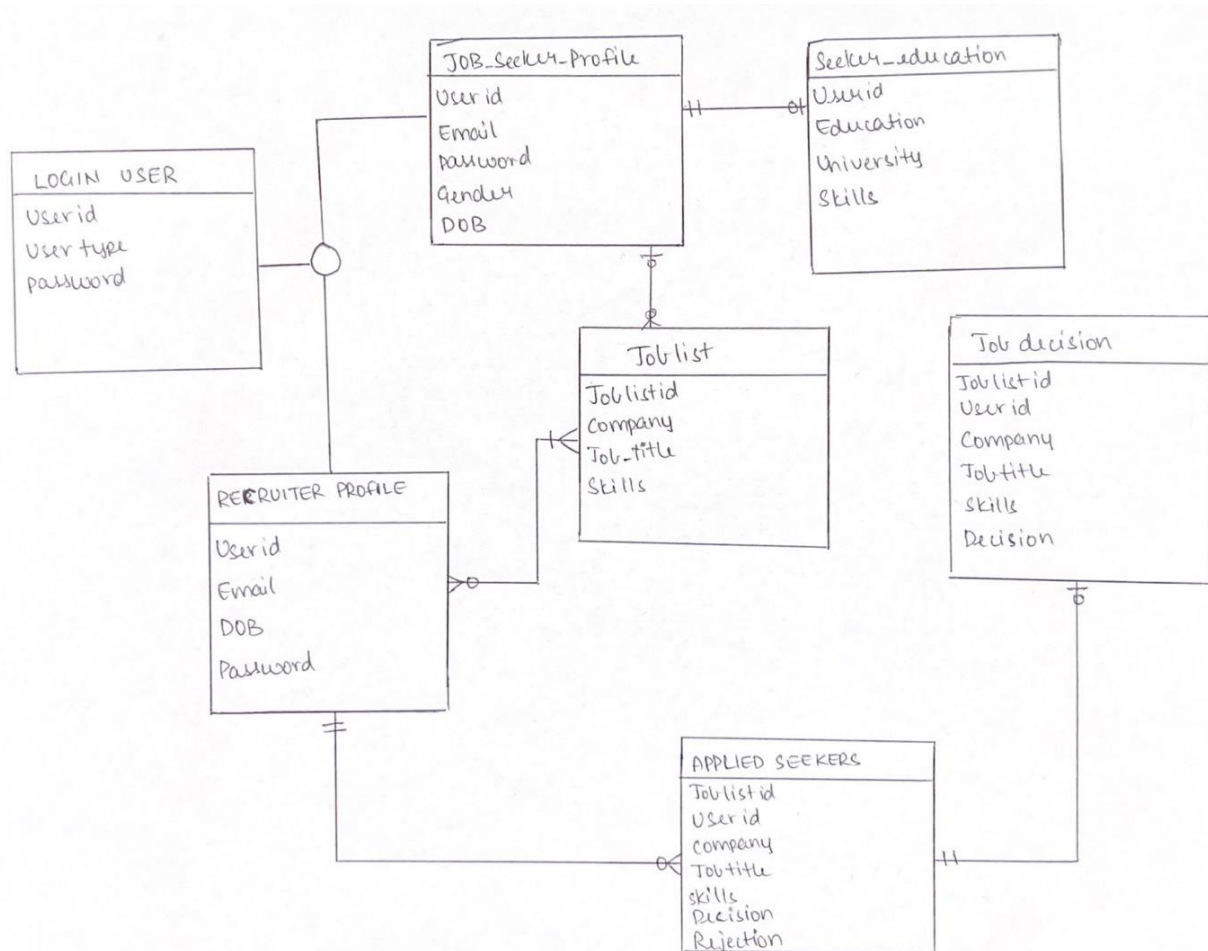


## JOB PORTAL APPLICATION:

### OVERVIEW:

Job opportunities portal There are two types of business flows in the application where we have job aspirants flow and the recruiters flow. The job aspirant and recruiter has to enter the user type as aspirant and recruiters enter as recruiter user type and provide the credentials along with the email address and basic information to log in to the portal. The aspirant once logs in to the portal can view personal information and also information about the current status of educational background, skill set. The aspirant applies to corresponding job opportunities present in the portal entered by the recruiter. As the recruiter logs on in the portal he will have access to provide details of the available job opportunities skill set required for the job posts. In the application, if skill set required for the job post is present in skill set data of the aspirant, The recruiter will be able to view the skills of the job seeker and take the decision to recruit or reject the applied job seeker.

### JOB PORTAL APPLICATION SYSTEM:



ER Diagram explanation:

The job portal system consists of 7 tables that consists of Login user, Seeker profile, Recruiter profile, Joblist, Seeker education, Applied seekers, Job decision.

Login user: The user of the system consists of three entities. User id (pk), Password, User type- the system consists of two types of users that is a job seeker and recruiter.

Job seeker profile: This table consists of 5 entities user id, Email, Password, Gender, DOB.

Seeker education: The seeker education table consists of educational information of the job seeker.

Recruiter profile: Recruiter profile consists of 4 entities of the recruiter personal information. User id, Email, Gender, DOB.

Joblist: The joblist table has job details that has 4 entites. Joblistid, Company, Job title, Skills.

Applied Seekers: The applied seekers is the list of seekers list who applied to the jobs and are viewed by 7 entities. Joblistid, User\_id, Company, Job Title, Skills, Decision, Rejection.

Job decision: The decision table consists of the decision of the acceptancy of the recruiter to the job seeker that consists of 6 entities. Joblistid, User id, Company, Job Title, Skills, Decision.

Relationship and cardinality:

Login user: There users of the job portal are of two types one is for the job seeker and the other is for the recruiter. The job seeker and recruiter are the sub types of the user.

Seeker education: For every job seeker there is a seeker education information which is in one to one relationship.

Joblist: Single Job seeker can apply to many jobs from the joblist which is in one to many relationship.

Applied seeker: the recruiter will be allowed to approve or reject the job applied by the seeker. The recruiter can approve many job posts which is in one to many relationship.

Job decision: The table consists of the decision of the recruiter for the applied seekers. For applied seeker there is a job decision. Is accepted will be sent to job decision table and rejected job post will be available for the next job seeker.

Many recruiters can add any number of jobs so the relationship between the recruiter and job list is many to many relationship.

1NF:

A column with no duplicates and every column is unique is 1NF. So all the tables has no common column entity so all the tables are in 1NF.

2NF:

The tables with attributes that are functionally dependent on the candidate key of each table, so the tables are in 2NF.

The Login user table, Job seeker profile table, Recruiter table, Seeker education table are dependent on the user id which are in 2NF.

The Joblist, Applied seekers, Job decision tables are dependent on the job list id which are in 2NF as well.

3NF:

There are no entities in the tables with the transitive dependencies for non prime attributes, So the table is in 3NF.

BCNF:

All the tables that are in 1NF, 2NF, 3NF are

User\_id → (User type, Password) Login user table

User\_id, → (Email, DOB, Password) Recruiter profile

User\_id → (Email, Password, Gender, DOB) Job seeker profile

Joblistid → (Company, Job title, Skills) Joblist

Userid → (education, University, Skills) Seeker education

Joblistid → (Userid, Company, Jobtitle, Skills, decision) Job decision

Joblistid → (Userid, Company, Jobtitle, Skills, Decision, rejection)

Application Flow:

LOGIN FLOW: The user will login into the login job portal as the seeker or the recruiter with the specific credentials of user id, password and choosing the type of the user and click on the login button.



Seeker profile:

The seeker profile consists of the personal information of the seeker and educational information of the job seeker. The job seeker will have an option to view for the available job posts and also view the decision of the job post applied. The user will be able to log out of the job portal by clicking on the log out button.

Look for jobs: The option look for jobs will be redirected to other page where the job list can be viewed and consists of the option to apply for the jobs.

**Job Decision:** The job decision is the list of the jobs that has been applied by the seeker and received job offer from the recruiter.

Recruiter profile: The recruiter profile can view his personal information and also view the job post list available. The recruiter will be able to add the job post. The recruiter has access to view the seekers list who has applied to the job posts. He will also be able to log out.

Recruiter profile

Logout

Name: nitya

Email: nitya@gmail.com

Date: 1998-05-05

Applied seekers

Add job

JobId/id	Company	Job title	skills
1	Cappemini	developer	java
2	Cappemini	front end	angular
3	Cappemini	tester	java
4	Cappemini	developer	php
5	Cappemini	tester	python
6	Cappemini	developer	python

**Addjob:** The add job post will be redirected to the page where the details of the job list can be given by the recruiter and add the post in the job list.

ADD JOB POST

JobId/id

Company

Job title

Skills

Add

**Applied Seekers:** The applied seekers will be redirected to the page of seekers who has applied to the job posts. And will be able to take an action where he can accept the job seeker or reject the seeker.

Seekers List						
Logout	JobId/id	Seeker Name	Company	Job title	skills	
	8	andy	Cappemini	developer	python	<div>Accept</div> <div>Reject</div>

The rejected job post by the recruiter will be next available for other job seeker and will be able to apply for that job where we can view in the job list.